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be defined as:

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The paragraph beginning at line <sup>7</sup>15 of page <sup>12</sup>23 is sought to be rewritten as follows:

Failure can be detected in a number of ways, depending on the particular application and hardware used. As an example, failure can be detected by observing a threshold for the spectral energy distributions.

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When the spectral energy threshold is exceeded exceed a given number of times, or when the threshold is exceeded with a high enough frequency, a failure is indicated.

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The paragraph beginning at Line <sup>17</sup>16 of Page 46 is sought to be rewritten as follows:

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Though the signalling embodiments disclosed herein for notifying the operator of the sensor calculations and/or results prefer a reduction of mud flow impedance (i.e. opening a valve from the drillstring interior into the well bore) over a restriction of mud flow (closing a valve), ~~valve~~ restriction of mud flow is a possible method within the contemplation of the present innovations.